

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	165	((JUN) near2 (YAMADA)). INV.	US-PGPUB; USPAT	OR	ON	2008/11/12 15:09
L2	73	((MASANORI) near2 (NAKAMURA)). INV.	US-PGPUB; USPAT	OR	ON	2008/11/12 15:09
L3	5	((CYUJI) near2 (INUKAI)). INV.	US-PGPUB; USPAT	OR	ON	2008/11/12 15:09
L4	89	((ATSUSHI) near2 (NAKAJIMA)). INV.	US-PGPUB; USPAT	OR	ON	2008/11/12 15:09
L5	8655	528/328 428/473.5 528/170 422/56 428/355R 525/426	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/12 15:09
L6	6027	428/220	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/12 15:09
L7	14862	L5 L6 L4 L3 L2 L1	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/12 15:09
S1	2	("20030185475"   "5950664"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/01 14:07
S2	1	"6890617".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/01 14:14
S3	1	"5543198".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/01 14:16
S4	0	JP-1995100201-\$.did.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/01 14:26
S5	0	EP-0174813-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/01 14:28
S6	0	JP-07100201-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/01 14:28
S7	0	JP-63090533-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/01 14:28
S8	0	JP-11035885-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/01 14:29
S9	0	JP-1999035885-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/01 14:29

S10	0	(methylenebisphenol near isocyanate) and (trimellitic near anhydride) and (isophthalic near acid)	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/01 14:40
S11	2	(methylenebisphenol near isocyanate)	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/01 14:40
S12	1	(methylene near bisphenol near isocyanate)	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/01 14:40
S13	5642	(methylene near bisphenol near isocyanate) or (aromatic near isocyanate)	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/01 14:41
S14	526	(aromatic near isocyanate) and polyimide	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/01 14:42
S15	1998	(aromatic near isocyanate) and (polyimide polyamide)	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/01 14:42
S16	9912	(trimellitic near anhydride)	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/01 14:42
S17	164	(aromatic near isocyanate) and (polyimide polyamide) and (trimellitic near anhydride)	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/01 14:43
S18	159	(aromatic near isocyanate) and (polyimide polyamide) and (trimellitic near anhydride) and (isophthalic near acid)(isophthalic near acid)	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/01 14:44
S19	0	(aromatic near isocyanate) and (polyimide polyamide) and (trimellitic near anhydride) and (isophthalic near acid)	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/01 14:44
S20	0	(aromatic near isocyanate) and (polyimide polyamide) and (trimellitic near anhydride) and (isophthalic)	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/01 14:45
S21	164	(aromatic near isocyanate) and (polyimide polyamide) and (trimellitic near anhydride)	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/01 14:45
S22	1	(aromatic near isocyanate) and (polyimide polyamide) and (trimellitic near anhydride) and (porous near film)	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/01 14:45

S23	31	(aromatic near isocyanate) and (polyimide polyamide) and (trimellitic near anhydride) and porous	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/01 14:47
S24	0	(aromatic near isocyanate) and (polyimide polyamide) and (trimellitic near anhydride) and porous.ab.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/01 14:48
S25	0	(bisphenol near isocyanate) and (polyimide polyamide) and (trimellitic near anhydride)	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/01 14:49
S26	0	(\$7bisphenol near isocyanate) and (polyimide polyamide) and (trimellitic near anhydride)	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/01 14:49
S27	0	(methylenebisphenol near isocyanate) and (polyimide polyamide) and (trimellitic near anhydride)	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/01 14:49
S28	1	(prous near film).ab.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/01 15:06
S29	0	(p0rous near film).ab.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/01 15:06
S30	789	(porous near film).ab.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/01 15:07
S31	1	(porous near film and polyamide-imide).ab.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/01 15:07
S32	7	(porous near film and polyamide).ab.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/01 15:07
S33	3	(lithium ion membrane).ab.	US-PGPUB; USPAT; USOCR	NEAR	ON	2008/07/01 15:21
S34	2	amide near imide near bond near ratio	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 06:30
S35	31	(amide near4 imide) and (bond near ratio)	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 06:30
S36	1	(amide near4 imide) and (bond near ratio) and (porous near film)	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 06:32
S37	4	(amide near4 imide) and (bond near ratio) and porous	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 06:33

S38	1	(amide near4 imide) same (bond near ratio) and porous	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 06:33
S39	2	(amide near4 imide) same (bond near ratio)	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 06:34
S40	1122	(amide near4 imide) same ratio	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 06:34
S41	1895844	amide near imide ratio	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 06:34
S42	56	amide near imide near ratio	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 06:34
S43	56	(amide near imide near ratio)	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 06:34
S44	2	(amide near imide near ratio) and porous	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 06:35
S45	2	(amide near imide near ratio) and (separation near membrane)	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 06:54
S46	10	(amide near imide near ratio) and (membrane)	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 06:54
S47	10	S46 not S35	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 06:55
S48	31	S35 not S46	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 06:55
S49	8	S46 not S45	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 06:55
S50	2133	(polyamideimide or polyamide-imide or (polyamide near imide)) and porous	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 06:56
S51	716	(polyamideimide or polyamide-imide or (polyamide near imide)) and ((porous or separation) near (film or sheet or membrane))	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 06:57
S52	589	(polyamideimide or polyamide-imide) and ((porous or separation) near (film or sheet or membrane))	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 06:57

S53	568	(polyamideimide or polyamide-imide or (polyamide near imide)) and ((porous or separation) near (film or sheet or membrane)) and ratio	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 06:58
S54	716	(polyamideimide or polyamide-imide or (polyamide near imide)) and ((porous or separation) near (film or sheet or membrane))	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 06:58
S55	133	(polyamideimide or polyamide-imide or (polyamide near imide)) and ((porous or separation) near (film or sheet or membrane)). ab.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 06:58
S56	114	(polyamideimide or polyamide-imide or (polyamide near imide)) and ((porous or separation) near (film or sheet or membrane)). ab. and ratio	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 07:00
S57	1925	(polyamideimide or polyamide-imide or (polyamide near imide)) and lithium	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 07:06
S58	79	(polyamideimide or polyamide-imide or (polyamide near imide)) and lithium-ion	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 07:07
S59	2	(polyamideimide or polyamide-imide or (polyamide near imide)).ab. and lithium-ion	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 07:07
S60	1	"20020055036".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 07:09
S61	1	"6447958".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 07:10
S62	2	S60 or S61 and lithium	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 07:10
S63	1	S60 or S61 and lithium-ion	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 07:10
S64	1	S60 or S61 and lithium-ion	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 07:10

S65	2	S60 or S61 and cc	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 07:15
S66	2	(S60 or S61) and cc	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 07:16
S67	2	(S60 or S61) and lithium	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 07:18
S68	1	(amide/imide) near ratio	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 07:20
S69	4	((NAOKI) near2 (IMACHI)). INV.	USPAT	OR	ON	2008/07/02 07:20
S70	24	((SEIJI) near2 (YOSHIMURA)).INV.	USPAT	OR	ON	2008/07/02 07:20
S71	28	S69 S70	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 07:21
S72	3	(S69 S70) and amide	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 07:21
S73	5	(S69 S70) and imide	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 07:21
S74	1	(S69 S70) and (polyamide or polyimide)	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 07:21
S75	8	(polyamide-imide) near ratio	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 07:38
S76	56	(amide near imide) near ratio	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 07:39
S77	1	"4246147".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 08:02
S78	1	"3692740".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/02 08:02
S79	163	((JUN) near2 (YAMADA)). INV.	US-PGPUB; USPAT	OR	ON	2008/07/21 09:55
S80	71	((MASANORI) near2 (NAKAMURA)).INV.	US-PGPUB; USPAT	OR	ON	2008/07/21 09:55
S81	5	((CYUJI) near2 (INUKAI)). INV.	US-PGPUB; USPAT	OR	ON	2008/07/21 09:55
S82	85	((ATSUSHI) near2 (NAKAJIMA)).INV.	US-PGPUB; USPAT	OR	ON	2008/07/21 09:55

S83	50	("4813983" "6335114" "6429157" "20070134484" "20070212521" "6399557" "4477624" "6270900" "6329122" "6346581" "6472082" "6475633" "20060240255" "5749943" "5997791" "5700374" "6150495" "6294588" "6465536" "20020055611" "20050186109" "20050186110" "4496794" "4973660" "4968780" "5851646" "6033765" "6447958" "6642282" "20020156140" "4578166" "4806725" "6274695" "6335416" "5543198" "4297254" "3909087" "5447774" "5510195" "6319404" "5342561" "4431478" "5527621" "4252707" "4353954" "4921761" "5916675" "6143409" "4387192" "4451621" ).pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/21 09:55
S84	8557	528/328 428/473.5 528/170 422/56 428/355R 525/426	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/21 09:56
S85	5899	428/220	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/21 09:56
S86	14310	S84 S85	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/21 09:56

11/12/2008 3:09:38 PM

C:\Documents and Settings\mnelson2\My Documents\EAST\Workspaces\10589762\_\_porous polyimide film.wsp